

PATENT COOPERATION TREATY

PCT

RECEIVED

SEP 17 2004

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No.  PCT/US2004/001772	International filing date (day/month/year)  23/01/2004	(Earliest) Priority Date (day/month/year)
Applicant  AGERE SYSTEMS INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 4

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/001772

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G11C16/04 G11C17/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 239 968 A (TOKYO SHIBAURA ELECTRIC CO) 7 October 1987 (1987-10-07) column 1, lines 19-34 column 2, line 40 - column 3, line 23; figure 1	1-31
X	US 6 512 700 B1 (MCPARTLAND RICHARD JOSEPH ET AL) 28 January 2003 (2003-01-28)  column 2, lines 1-21 column 5, lines 13-34 column 6, lines 50-57; figures 2,4	1-6, 11-16, 21,23-30
X	US 6 018 475 A (SCHOELLKOPF JEAN-PIERRE ET AL) 25 January 2000 (2000-01-25)  column 2, lines 34-57; figure 1	1,2, 7-12, 17-22, 24-28,31

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

7 September 2004

Date of mailing of the international search report

14/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Gaertner, W

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/001772

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0239968	A	07-10-1987	JP 1826044 C 28-02-1994
			JP 5030000 B 06-05-1993
			JP 62229600 A 08-10-1987
			DE 3786819 D1 09-09-1993
			DE 3786819 T2 09-12-1993
			EP 0239968 A2 07-10-1987
			KR 9006164 B1 24-08-1990
			US 4879689 A 07-11-1989
US 6512700	B1	28-01-2003	NONE
US 6018475	A	25-01-2000	FR 2770019 A1 23-04-1999
			DE 69812038 D1 17-04-2003
			EP 0915480 A2 12-05-1999
			JP 2974024 B2 08-11-1999
			JP 11214538 A 06-08-1999